



San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT



APR 14 2015

Johnathan Le Van
Aera Energy, LLC.
PO Box 11164
Bakersfield, CA 93389-1167

Re: Notice of Final Action - Minor Title V Permit Modification
District Facility # S-1548
Project # S-1144267

Dear Mr. Le Van:

The Air Pollution Control Officer has modified the Title V permit for Aera Energy, LLC. by incorporating S-1144267. The modification authorized an addition of 200 steam-enhanced oil recovery wells to the 1170 steam-enhanced wells permitted on PTO S-1548-423.

Enclosed is the modified Title V permit. The application and proposal were sent to US EPA Region IX on March 11, 2015. No comments were received following the District's preliminary decision on this project.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

Sincerely,

Arnaud Marjollet
Director of Permit Services

AM:SDD

Enclosures

cc: Gerardo C. Rios, EPA (w/enclosure) via email

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Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585



San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1548-423-9

EXPIRATION DATE: 05/31/2016

EQUIPMENT DESCRIPTION:

1,370 THERMALLY ENHANCED PRODUCTION WELLS WITH CLOSED CASING VENTS

PERMIT UNIT REQUIREMENTS

1. Well casing valves shall remain closed or connected to production lines at all times except during periods of actual service or repair as defined in Rule 4401. [District Rule 2201 and 4401] Federally Enforceable Through Title V Permit
2. All produced fluids from any thermally enhanced production well associated with this operation shall be handled only in closed production equipment prior to introduction to the Section 20 dehydration facility (principally, S-1548-144 through '149 including associated equipment, i.e., Wemco, ISF units, drain tanks, etc.) [District Rule 2201] Federally Enforceable Through Title V Permit
3. Thermally enhanced production wells covered by this permit shall each have a visible identification number. Field personnel shall be provided with written instructions concerning proper operation and maintenance of these wells. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Any thermally enhanced production well producing crude oil with an API gravity greater than 30 and a true vapor pressure greater than 1.5 psia (determined using the methods specified in Rule 4409) shall comply with all applicable Rule 4409 requirements. [District Rule 4409] Federally Enforceable Through Title V Permit
5. Total number of leaks from the vapor collection and control system, including condensate handling shall not exceed the number allowed by Rule 4401. [District Rule 4401] Federally Enforceable Through Title V Permit
6. All components to be screened shall be identified and categorized according to the following equipment types: connectors, flanges, open-ended lines (sample connections, drains, bleed valves, etc.), pump seals, valves with visible actuators, polish rod stuffing boxes and other (pressure relief devices, compressor seals, meters, etc.). Components shall be further identified and categorized according to the following types of service: gas/light liquid and heavy liquid service. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Component screening shall be performed in accordance with EPA reference Method 21. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Portable hydrocarbon detection instrument shall be operated and calibrated in accordance with recommendations in CAPCOA/CARB's California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities (February, 1999). [District Rule 2201] Federally Enforceable Through Title V Permit
9. Fugitive VOC emission rate from all components associated with this steam enhanced well operation shall not exceed 517.7 b/day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Fugitive VOC emission rate listed above does not include the fugitive emissions from the well test pressure vessels and piping at the LOTS sites. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Permittee shall maintain a current list of all thermally enhanced production wells associated with this operation; shall update the list whenever a well is added, replaced, or deleted; and such listing shall be made readily available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

12. Permittee shall maintain for a period of five years, accurate records of fugitive inspection component counts, leak screening values in excess of 10,000 ppm, and shall, as approved by the District, calculate fugitive emissions using February 1999 CAPCOA California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities Table IV-2c. Permittee shall make records of component counts, screening values, and calculations readily available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: AERA ENERGY LLC

Location: LIGHT OIL WESTERN STATIONARY SOURCE, CA

S-1548-423-9 : Apr 9 2015 11:24AM - DAVIDSOS